



Solar Thermal Case Study

Fire Central

300 South Fire Central Place

TECHNICAL SPECIFICATIONS:

- Installed December 2009.
- 3 SunEarth Empire model EP40 thermal liquid glazed flat plate collectors.
- 3 SunEarth SU80hE-1 80 gallon tanks.
- Utilizes an Armstrong Astro 30B-TA hot water re-circulation system.



PROJECT DESCRIPTION:

- City of Tucson's newest LEED Gold certified facility.
- Facility will house Fire Station #1, as well as office space for the Fire Administration and Fire Prevention Departments.
- Facility also utilizes skylights for an added energy efficient feature.

FINANCIAL DETAILS:

- Cost of water heaters - \$12,300.
- Cost of solar collectors - \$12,195.



- For additional information go to: <http://www.tucsonaz.gov/energy/>